

Please type a plus sign (+) inside this box → ☐

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 6

### Complete if Known

Application Number 10/084,588  
Filing Date February 27, 2002  
First Named Inventor James Morrison et al.  
Group Art Unit 2181 3692  
Examiner Name Unknown Nguyen, Nga  
Attorney Docket Number 7540.10

### U.S. PATENT DOCUMENTS

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
mm		3,182,357		Tuttle	05-11-1965	
		3,688,873		Potrafke	09-05-1972	
		3,725,895		Haynes	04-03-1973	
		3,836,755		Ehrat	09-17-1974	
		3,878,365		Schwartz	04-15-1975	
		4,071,740		Gogulski	01-31-1978	
		4,084,742		Silverman	04-18-1978	
		4,373,133		Clyne et al.	02-08-1983	
		4,583,083		Bogasky	04-15-1986	
		4,583,619		Fry	04-22-1986	
		4,676,343		Humble et al.	01-30-1987	
		4,679,154		Blanford	07-07-1987	
		4,715,457		Amacher et al.	12-29-1987	
		4,775,782		Mergenthaler et al.	10-04-1988	
		4,779,706		Mergenthaler	10-25-1988	
		4,787,467		Johnson	11-29-1988	
		4,789,048		Cramer et al.	12-06-1988	
		4,792,018		Humble et al.	12-20-1988	
		4,909,356		Rimondi et al.	03-20-1990	
mm		4,929,819		Collins, Jr.	05-29-1990	

RECEIVED  
SEP 25 2002  
GROUP 3600

### FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
mm		BE	899018			06-18-1984		
		DE	1927819			02-04-1971		
		DE	2125869			12-07-1972		
		DE	3114139	A1		11-04-1982		
		DE	3330301	A1		03-14-1985		
		EP	0060701	B1		09-22-1982		
		EP	0124355	B1		11-07-1984		
		EP	0178223	A2		04-16-1986		
		EP	0491348	A2		06-24-1992		
mm		EP	0811958	A2		12-10-1997		

Examiner  
Signature

Ngan Nguyen

Date  
Considered

6/20/07

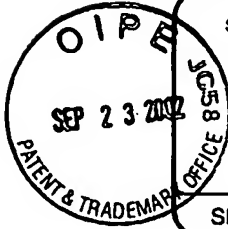
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 6

### Complete if Known

Application Number	10/084,588
Filing Date	February 27, 2002
First Named Inventor	James Morrison et al.
Group Art Unit	2161 3692
Examiner Name	Unknown Nguyen, Nga
Attorney Docket Number	7540.10

### U.S. PATENT DOCUMENTS

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
nm		4,940,116		O'Connor et al.	07-10-1990	
		4,947,028		Gorog	08-07-1990	
		4,964,053		Humble	10-16-1990	
		5,004,916		Collins, Jr.	04-02-1991	
		5,040,636		Forsythe et al.	08-20-1991	
		5,083,638		Schneider	01-28-1992	
		5,115,888		Schneider	05-26-1992	
		5,125,465		Schneider	06-30-1992	
		5,139,100		Brauneis	08-18-1992	
		5,168,961		Schneider	12-08-1992	
		5,174,413		Cappi et al.	12-29-1992	
		5,191,749		Cappi et al.	03-09-1993	
		5,250,789		Johnsen	10-05-1993	
		5,297,030		Vassigh et al.	03-22-1994	
		5,315,097		Collins, Jr. et al.	05-24-1994	
		5,340,970		Wolfe, Jr. et al.	08-23-1994	
		5,343,025		Usui	08-30-1994	
		5,345,071		Dumont	09-06-1994	
nm		5,361,871		Gupta et al.	11-08-1994	
		5,375,680		Ikeda et al.	12-27-1994	

RECEIVED  
SEP 25 2002  
GROUP 3600

### FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ts
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
nm		EP	0905656 A2			03-31-1999		
		GB	2068132 A			08-05-1981		
		GB	2285687 A			07-19-1995		
		JP	5314367			11-26-1993		
nm		JP	11328299			11-30-1999		

Examiner Signature

*Ngan Nguyen*

Date Considered

6/20/07

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

+

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet	3	of	6
-------	---	----	---

**Complete if Known**

Application Number	10/084,588
Filing Date	February 27, 2002
First Named Inventor	James Morrison et al.
Group Art Unit	2161 3642
Examiner Name	Unknown Nguyen, Nga
Attorney Docket Number	7540.10

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code² (If known)			
mm		5,378,860		Dingfelder et al.	01-03-1995	
		5,397,882		Van Solt	03-14-1995	
		5,398,191		Komai	03-14-1995	
		5,424,524		Ruppert et al.	06-13-1995	
		5,426,282		Humble	06-20-1995	
		5,426,423		Raimbault et al.	06-20-1995	
		5,434,394		Roach et al.	07-18-1995	
		5,437,346		Dumont	08-01-1995	
		5,448,046		Swartz	09-05-1995	
		5,457,307		Dumont	10-10-1995	
		5,484,991		Sherman et al.	01-16-1996	
		5,485,006		Allen et al.	01-16-1996	
		5,489,773		Kumar	02-06-1996	
		5,494,136		Humble	02-27-1996	
		5,497,314		Novak	03-05-1996	
		5,497,853		Collins, Jr. et al.	03-12-1996	
		5,540,301		Dumont	07-30-1996	
		5,543,607		Watanabe et al.	08-06-1996	
		5,544,040		Gerbaulet	08-06-1996	
mm		5,560,450		Kouno	10-01-1996	

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Ngũgĩ

Date  
Considered

6/20/07

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

+

+

+

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

**Complete if Known**

Application Number	10/084,588
Filing Date	February 27, 2002
First Named Inventor	James Morrison et al.
Group Art Unit	2161 3692
Examiner Name	Unknown Nguyen, Nga
Attorney Docket Number	7540.10

*(use as many sheets as necessary)*

Sheet	4	of	6
-------	---	----	---

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
mm		5,595,264		Trotta, Jr.	01-21-1997	
		5,609,223		Iizaka et al.	03-11-1997	
		5,635,906		Joseph	06-03-1997	
		5,637,847		Watanabe	06-10-1997	
		5,662,190		Abe	09-02-1997	
		5,663,963		Goodwin, III et al.	09-02-1997	
		5,684,289		Detwiler et al.	11-04-1997	
		5,736,721		Swartz	04-07-1998	
		5,752,582		Hayward	05-19-1998	
		5,814,799		Swartz et al.	09-29-1998	
		5,821,512		O'Hagan et al.	10-13-1998	
		5,845,263		Camaisa et. al.	12-01-1998	
		5,877,485		Swartz	03-02-1999	
		5,883,968		Welch et al.	03-16-1999	
		5,884,728		d'Estaintot et al.	03-23-1999	
		5,898,158		Shimizu et al.	04-27-1999	
		5,900,614		Nakakawaji et al.	05-04-1999	
		5,923,735		Swartz et al.	07-13-1999	
mm		5,978,772		Mold	11-02-1999	
		X				

RECEIVED  
SEP 25 2002  
GROUP 3600

[illegible]

**Examiner  
Signature**

Nguyen

Date  
Considered

6/20/07

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

+

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 5 of 6

### Complete if Known

Application Number	10/084,588
Filing Date	February 27, 2002
First Named Inventor	James Morrison et al.
Group Art Unit	2161 3692
Examiner Name	Unknown <i>Nguyen, Nga</i>
Attorney Docket Number	7540.10

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>nr</i>		"Optimal Robotics Selects Diebold's ATM Cash Dispensing Technology; Industry Leading U-Scan Express Self-Checkout System To Incorporate Diebold ATM Dispensers", Business Wire, December 20, 1999	
		AMATO-MCCOY, DEENA, "Brookshire's Shoppers Will Soon Experience Ease and Convenience of NCR Self-Checkout; NCR Self-Checkout Express Lets Shoppers Scan and Pay for Their Purchases", PR Newswire, February 24, 1999	
		AMATO-MCOY, DEENA, "Self-Checkout Test Planned at Brookshire Grocery Units", Supermarket News Page: 21(1), April 26, 1999	
		"More Supermarkets Can Offer Shoppers Ease and Convenience of NCR Self-Checkout", PR Newswire, February 16, 1999	
		POWER, DENISE, "Self-Scanning Checks In.(Meijer)", HFN The Weekly Newspaper for the Home Furnishing Network, vol. 72, Issue No. 36, September 14, 1998	
		Web pages: <a href="http://www.terrigal.net.au/kjka/www.pscnet.com/uscanse.htm">http://www.terrigal.net.au/kjka/www.pscnet.com/uscanse.htm</a> , U-Scan Express(tm) Self-Checkout, 3/29/00	
		ZIMMERMAN, KIM ANN, "Food Lion To Install More Self-Checkouts", Supermarket News, October 4, 1999	
		"NCR: NCR Unveils Retail Self-Service Solution", M2 Presswire, June 16, 1998	
		CORBIN, COLE, "Checking Out Self-Scanning: More Retailers Are Singing the Praises of Both Portable and Stationary Self-Scanning, But Customers Still Need a Bit of Wooing", Supermarket News, March 15, 1999	
		MOLTZEN, EDWARD F., "NCR, Innovax Team For Supermarket Sweep", Computer Reseller News, February 22, 1999	
<i>nr</i>		Abstract: WOODYARD, CHRIS, "Grocery Shoppers Can Be Own Cashiers", USA Today, March 9, 1998	

Examiner Signature <i>Nguyen, Nga</i>	Date Considered <i>6/20/07</i>
---------------------------------------	--------------------------------

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 6 of 6

### Complete if Known

Application Number	10/084,588
Filing Date	February 27, 2002
First Named Inventor	James Morrison et al.
Group Art Unit	2161 3602
Examiner Name	Unknown Nguyen, Nga
Attorney Docket Number	7540.10

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
nm		Search Results List: 8 Articles listed; Word or Phrase: Self and (checkout or scan?) and automat? and teller and mach, Date range: 1998 - Present; print date April 3, 2000	
		Search Results List: 7 Articles listed; Word or Phrase: Self and (checkout or scan?) and automat? and teller and mach, Date range: Backfile (1986-1997); print date April 3, 2000	
		Search Results List by Rank: 100 Articles listed; Search criteria Self-Checkout Coupled To An Automated Teller Machine; print date March 29, 2000	
		U-Scan Express.TM., The U-Scan Express.TM. Self-Checkout System, Spectra-Physics Scanning Systems, Inc., February 1996	
		Optimal Robotics 8870 System. TM., Optimal Robotics Corporation, 1995	
		ZIMMERMAN, DENISE, "Kroger Unit to Expand Customer Self-Scanning", Supermarket News, August 14, 1995, page 15	
		ZIMMERMAN, DENISE, "Kroger Self-Scan Lane To Test Debit Credit" Supermarket News, Vol. 45, Number 14, page 13+, April 3, 1995	
		JONES, JEANNE, "Robots Will Do Checkout at Grocery", Houston Post, (Final, Business, p. C1, February 22, 1995	
		"Burger King Tests Credit-Card Payments", The Miami Herald Knight-Rider/Tribune Business News, July 9, 1993	
		WISEMBERG-BRIN, DINAH, Associated Press, "You-buy, you-scan bag", Dayton Daily News, August 11, 1996	
nm		GAMBURER, A.T., et al., "Analogue-code Converter Used with Strain Gauge Hopper Weighers", Instrumental and Control, March 3, 1969	

RECEIVED  
SEP 25 2002  
GROUP 3600

Examiner Signature <span style="font-family: cursive; font-size: 1.2em;">Ngan Nguyen</span>	Date Considered	6/20/07
---	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

† Unique citation designation number. ‡ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.